Pressmark

App. F IX-4

Previous References

1927 (Nil)

File No. 311-27

Serial Nos. 4, 10, 12, 17 + 18

Later References

Nil 317-27 Ser 18 B Mar 30

General and Revenue Secretariat.

Serial No. 5

Part B for August 1929

SUBJECT

Estimate for Underground Latrines

Ser 17 To The presidents of Bangalore & Mysore City municipalities

No L 1277-78 dt 16-8 29.

Forty Copies of letter No 1262 dt 26 7 29 on an estimate received from the Chief Engr for underground latrines.

D. V. Subbiah
4 9 29

L 8431

App F III—2]

General and Revenue Secretariat. | File No 311 of 192

Serial No.

Reference to File No. Mi. 311-27-1

" Please see cutting from " Daily Post" One of the crying needs of Davangere as also of all other towns is good public latrines. In England there are underground latrines, which are a pleasure to use and sanitary advise and advice about venereal diseases etc is also posted there I am told that some British Indian towns are adopting such latrines Davangere has plenty of money, and the system of committing nuisance in the open is also - most prevalent there".

2 " Please ask Chief Engineer to let us know the cost of a good underground latrine with flushing system If one be built within the crowded locality (one solely for women) the idea might perhaps catch on" Intd. K.C. 28/4.

3 draft letter to the Chief Engr is accordingly submitted for kind appl

30/4/28.

4 Demi-official reminder to come once in 15 days

2/5

1/5

To

17 The Chief Engineer of Mysore, Bangalore

Letter no L 6933 Mi 311-27-4 dated 3-5-28 requesting to be informed as to the cost of a good underground latrine having flush system together with plans & estimate

Note—Contd. sheet

Copy

4/5/28

2

ಅಭ495

(1

App. F III—2]

General and Revenue Secretariat.

ML File No. 311 of 1927

Serial No

From

The Chief Engineer of Mysore, Bangalore
letter no 11078 dated 25 6 28 stating
the requirements that are essential to the
underground latrines and requesting to be informed
whether the latrines proposed is for the use of
any institution or for the public

2. The Chief Engineer may be informed
that the latrine is to be constructed in
Bangalore town so that he may examine
the spot and select suitable site having
the requisite natural facilities, and that the
latrine is meant for public use, if
approved

Submitted for kind perusal & orders

(Sd) M Khan
31/7/28
7

2 draft is submitted for kind approval

(Sd) M Khan putting up
A/7/28 draft as usual

9 Typed draft as indicated above is
put up

(Sd)
16/7/28.

is done
(Sd)
16/7

letter no 4669 ML 311 – 27 – 12 dated 19 7 28
to the Chief Engineer informing about the latrines

NOTE—Contin. Sheet.

WD 6174—SFB—28,HD—10-4-28

General and Revenue Secretariat. File No. 211 of 1927

Serial No.

Gen A
191
19/7/28

is to be constructed on Barangore for public & other town for public use

Letter No. 1262 & 26-) 27 from the Chief Engr of Burma forwards a Tracing with an estimate amounting to Rs 3,52,2/- for an underground Latrine proposed by the Executive Engr Pegu & Town Planning Division and States that this kind of Latrine will only be useful where there is an efficient underground Sewerage Scheme and that there is a partial underground drainage System in part of the Cantonment & Barangore Village, but not in Ray Division town in the State.

11 Submitted with Tracing & Estimate 2 Sheets

11/7/28 The system may be suitable for Barangore. May perhaps be referred to Sanitation Engineer Mandalay for Remarks in connection with the system by Mine Mand CS

Secretary) 24/8/28

Engr exp

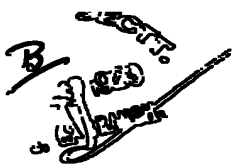
Secretary 31/8/28

OFFICE OF THE CHIEF ENGINEER OF BURMA
7 AUG. 1928
No. 1943

NOTE—Contn. Sheet.

WD 8174—SEPB—50,000—10-28

Serial No.	
	ಮಾಡಲು ತಿಳಿಸಿದ್ದಾಗಿದೆ
	12/8/25 13
	13/8/25
17	No X 1277-78 dated 16-8-25 To the Presidents of the City Municipal Council, Bangalore and Mysore- Forwards the estimate received from the Chief Engineer re. type designs for an underground latrine for the use Municipal towns and requests that the matter may be placed for before the Municipal Council for consideration No L 1279 & 16-8-25 To the Chief Engr. Forwards copy of the above for information and states that the Executive Engineer, Survey & Town Planning Dn, may be requested to send a copy of the type design to the Presidents of the City Municipal Council, Bangalore and Mysore-



WD 6424—GPB—30,000—20-4-25

Serial No.

18

From The Chief Engineer of Mysore
No: 3003 dt 28-8-29

With ref: to sec 17 of the Madras Act the Executive Engineer, Survey & Town planning Div has been instructed to send a copy of the type design for underground latrines with flushing system to the Presidents of the Bangalore & Mysore Municipalities.

Submitted for perusal. This will be recorded. if approved.

Chief 30/8/29 Mr Myson Chief Secretary has asked for copies of the maps in connection with the Drafts of town schemes. The estimate has been approved by the Govt on 23/9/24.

To The Presidents of Bangalore & Mysore Municipalities

No: L1741-2 dt 3 9 29

In continuation of sec 18 above forwards a copy of the estimate for an underground latrine flushing system

---

WD 61631—GPS—30,000—29-29

G.R.S. III—3]

Routine Notes

[To be used only for notes, requisitions, etc., not intended for permanent record.]

ml 311-27-

Imaginary Davangere.

Sir,—One is told that the Davangere Municipality is one of the richest in the State. But that Davangere is a very insanitary town is a grim fact.

The Extension is of very recent development. Officers of the revenue, medical and police departments reside here, and some lawyers, also. The Sub-division Office, the High-School and the tennis club and playing grounds, a most alive, are situated in the same locality, and very near by all these dwelling houses, offices and recreation grounds are a few long pits, originally, perhaps, dug out for sand, but which now serve as latrines for the middle and poorer classes of the people. The ever increasing influx of labour, lack of poverty stricken and most disorganised, render the insanitary conditions worse. No sense of decency is preserved, and these pits are hot-beds of disease, and a true index of Municipal inefficiency. It is surprising that the educated and influential population of the place should remain passive under such conditions. The air in the locality is fouled by the ever-increasing, unremoved filth, and it is no wonder that epidemics rage yearly. The conditions in the town are as bad, if not worse. Even in the Extension, manure heaps are seen near houses, and the drainage is very bad. The Hadadi road is subject to very heavy traffic, and needs repairs. It is hoped that before long the pits will be closed and public latrines built. This is an absolute necessity.

"A Sufferer."

Davangere,
April 28, '28.
To the Editor,
The "Daily Post."

Bangalore Observatory.

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

G.R.S. III—8]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

N.B.—Should routine notes be written on small slips the notes must be copied, or slips pasted on this form.

2

A. P. P. VI. 621

SUBJECT.....

-1"

Diary No. of letter replied to 5431

General and Revenue Secretariat

( )

the 192

Date of issue 3-5-1928

Signed by for S.O.

List of enclosures.....

Copied by .....

Examined by .....

Section mil

File No. 311-27

Serial No. 4

No. L 6933

To The Chief Engineer in Mysore Bangalore

Sir,

I am directed to request you to be so good as to inform as to what will be the cost of a good under-ground latrine with flushing system as is found in England & also to A very early reply is requested with necessary plans in the matter of Bangalore. I have etc

30/4/28 for

over

No. 11078

MYSORE PUBLIC WORKS DEPARTMENT,
CENTRAL OFFICE,

Dated Bangalore, 25-6-1928

FROM

JOHN BHORE, Esq., A.M.I.C.E.,
Chief Engineer of Mysore,
Bangalore.

To

M 311-27-10

R. Ranga Rao, Esq., B.A., B.L.,
General Secretary to the Government of
His Highness the Maharaja of Mysore,
BANGALORE.

Sir,

With reference to your letter No. L.6933/M1. 311-27-4 dated the 3rd May 1928, enquiring what the cost of a good under-ground latrine with flushing system would be, I have the honor to state that for such latrines the floor will be about 10 feet lower than the ground level, and it is necessary to provide sewer at a depth lower than 10'.

The place where the under-ground latrine is proposed to be constructed may kindly be intimated to see if there is any sewer of the required depth existing in the Vicinity or if such a one can be provided there.

It may also be intimated if the latrine is for public use or for any institution, so that necessary provision may be made for the number and kind of conveniences.

I have the honour to be,
Sir,
Your most obedient servant,

J. Bhore - 25-6-28

CHIEF ENGINEER OF MYSORE.

E.J.P.

Rel 3W-27-12

To

L 669
11/9/1928

The Chief Engineer of Mysore,

Bangalore

Sir,

With reference to your letter No 11078 dated 25th June 1928 requesting information as to the place where it is proposed to construct underground latrine with flushing system and whether it is for public use or for any institution I am directed to state that the latrine is to be constructed to meet the needs of the public in Davangere as also of other Towns

I have etc ,

16/7

for General Secretary to Govt

MK

Nil Encs 44

5

Public Works Department,

Central Office

No 1262

Enc 2 Sl Estimate & Plan

Camp - Mysore,

Dated Bangalore 2-5 July 1929.

GEN P RT 529L 1 S

From

J BHORE, Esq, AMICE Etc,

Chief Engineer of Mysore,

Bangalore

To

B Narayanaswamy Iyengar, Esq, B A, B L,

Secretary to Government, General Department,

Bangalore

Subject - Type design for underground latrine with flushing system for use in Davangere and other towns

- - - - - - - - - - - - -

Sir,

With reference to correspondence ending with your letter No L 6758 dated the 11th April 1929, I have the honor to forward herewith a type design with an estimate amounting to Rs 3,842/- for an underground latrine prepared by the Executive Engineer, Sanitary and Town Planning Division This kind of latrine will only be useful where there is an efficient underground sewerage scheme

There is a partial underground drainage system in parts of the extensions of Bangalore and Mysore, but not in any other towns in the State

I have the honour to be,

S i r,

Your most obedient servant,

J Bhore 24/7/29

Chief Engineer of Mysore

kmm

Mysore P W Department — Sanitary Improvements Bangalore

Estimate of the probable Cost of Constructing a under ground Latrine

Details of work	No	Dimensions			Contents		
Earth work excavation of foundation							
Lowering the ground	1	18	20 3/8	8 ft	3285 / 3179		
~~Foundation of Front wall~~	1	18	3 ft	9	567		
" Side walls	2	7	8 1/2	2 1/4	110		
" Step portion	2	11 3/4	2 3/4	~~1 3/8~~ 2	27 5		
" Concrete portion	2	18	3 7/16	3/4	93		
" ~~——~~ Do ~~——~~	1	18	3 7/16	3/4	46		
Total Qty					4210	Cyds	151 ~~155~~
Burnt Stone Jelly in Chunam mortar Concrete					4079		
Concrete portion	1	63 / 18	3 / 2 7/16	2 ft	163 ~~189~~		
~~Front wall~~	1	2 1/2 / 18	3 ft	3/4	53 ~~47~~		
Side walls	2	9	3 ft	3/4	45 ~~67~~		
~~Floor~~	1	14 1/4	12 ft	3/4	133		
~~Side walls~~	~~2~~	~~9~~	~~3 ft~~	~~3/4~~	~~67~~		
Cistern	1	1 1/2	3/4	3/4	2		
Step portion	1	2 3/16	5	3/4	10		
Total Qty					411	Cft	411
Burnt Brick in Chunam mortar							
1st Step	1/2	16 1/2	2 7/16	1	151 ~~80~~		
~~Do~~	~~2~~	~~19 1/2~~	~~2 7/16~~	~~1~~	~~95~~		
Do	1	13 7/8	2 7/16	1	34		
Do ends	2	9	2 7/16	1/2	2.40 Sft		
2nd Step	1/2	16	17/8	4 3/4	55 ~~53~~		
~~Do~~	~~2~~	~~18 3/4~~	~~17/8~~	~~4 3/4~~	~~356~~		
Do	1	18	17/8	4 3/4	115		
Do Ends	2	9	17/8	1/2	19		
3rd Step	1/2	16	1 1/2	6	2.88		
~~Do~~	~~2~~	~~18~~	~~1 1/2~~	~~6~~	~~324~~		
Do	1	18	1 1/2	6	162		
Carried over					156		

	Brought forward							
	3rd Step ends	1	7	1½	1			
	Do	2	7	1½	½			
	Lavatory wall long face	1	15	3/12	9/12			
	Do Cross walls both sides	6	2	3/8	5½			
	Lavatory Cross walls	3	2	3/12	7			
	Total							
	Deductions							
	Ventilators	12	2	1½	1½			
	Doors	4	2	3/4	7			
	Arch opening	1	5	1½	5			
	Arch way	Rumble Same						
	Arch work			Do				
	Total							
	Balance B Brm Chunam mortar							
4	Jack arch Terrace	1						
5	B Brick in Chunam Cornice with plastering	1	7½					
6	Burnt Brick in Chunam parapet wall with plastering 2 sides							
	Around Ist Terrace	1						
7	Rolled Steel girder							
	Do							
8	Do Joists							
	Do	(4	16)					
9	Teak wood ventilators with wire gauze fitting & iron fittings							
	Around	12	2	1½				
10	Teak wood Doors with panelled shutters							
	For Lavatory	4	2	5½				
11	Teak wood uprights to sides of doorways of lavatories for fixing wood							
	Do	4×2	1/4	1/4	7			
12	Cement plastering ½" thick							
	Walls around inside	1	56					
	Walls both ends	2	15	7½				
	Cross walls both sides	2×3	3	7½	-			
	Cross walls do	6×2	2	5½	-			
	Floor	1	15	13	-			
	Total							
13	Plastering drains in Concrete	Rumble Same						
14	Preparing surface do			Do				

Ornamental Cast Iron railing with lamp post &c Complete	Lump						
Constructing Steps	—	00	—				
Wood oiling, painting and varnishing &c	—	00	—				
[illegible]	12	2	1½	-	72	24	72
[illegible]	1	2	¼	-	45	11	45
[illegible]					6	8	

Abstract

Items of work	Dec	Quantities		Rate	Cost Total
Earth Work excavation	Cyd	-	6	151	57
Rubble Stone jelly in Chunam Mortar Concrete	Cft	-	5	411	128
Burnt brick in Chunam mortar	"	-	5	1737	543
Jack arch Terrace	Sqr	60		2397	1496
Burnt brick in Chunam Cornice &c including plastering	Rft	-	12	73	55
Burnt brick in Chunam parapet wall 2ft high including plastering	"	1	8	73	110
Rolled steel girders 10" x 6"	Cwt	13	-	43	20
Do Joists 5" x 3"	"	13	-	5½	72
Teak wood Ventilators with Wire gauze	Sft	1	6	86	45
Teak wood Door panelled Shutters	"	2	-	44	88
Teak wood work	Cft	7	-	3½	24
Cement plastering 1" thick	Sqr	12	-	11 81	14
Making drains in Concrete	Lump				30
Do urinals					50
Ornamental C I railing with lamp post &c Complete		00			250
Constructing Steps		00			100
Wood oiling, Painting, Varnishing &c		00			30
					1000
Contingencies at 5					1
Grand Total					1

Estimate of the probable Cost of providing Sanitary fittings for under ground Latrine —

Item of work	Per	Rate	Qty	Cost	Total
— Materials —					
"Hindustan Closet pan S" trap 3 gallon C I flushing Cistern and flush pipe and ball valve arrangement with Cast iron brackets &c complete	Each	90	4	360	
Three person range urinals with fittings complete	"	300	2	600	
Cast iron fountain with Basin	"	60	1	60	
4" glazed Stone ware pipe 2 ft long					
Closet Connection 18' (2+9)					
—— Do —— 14 (2+7)					
Urinals " 12 (2+6)					
Waste " 10 (1+10)					
Ventilators 7 (1+7)					
Total Rft 67	Rft.	- 12	67	50	
6"x4" Stone ware gully trap with C I grating	No	5	3	15	
Socket tube for vent pipes	Rft.	2	16	32	
Ornamental Cowl	No	5	1	5	
C I air tight hinged frame and Cover 12"x10"	"	8	3	24	
Man hole Cover & frame of heavy pattern Circular Shape 2' Clear opening with groove for water seal	"	24	1	24	
1½" Lead pipe	Rft	1 8	12	18	
¾" —— Do —— for over flow 4+7	"	- 12	28	21	
½" —— Do —— for water Connection 4+3	"	10	12	8	
½" Screw down Stop Cock one inch union	No	4 -	7	28	
Iron wire handle	No	3	5	15	
Total for materials					1260

19 — Labour Charges —

	Fixing Standard Closet Complete with flushing Cistern flush pipe and its joints including Cost of wooden plugs nails and screws and forming his plan and fitting Seats Concrete and Cement plastering Complete	No:	10	1	4	60
2	Fixing Range urinals with fittings complete as per above	No:	30		2	60
3	Fixing Cast Iron fountain basin fixing as per above	No:	10	-	1	10
4	Laying and jointing 4" S W pipes with Cement Complete	Rft.	-	3 -	60	11
5	Constructing gully trap Cistern and fixing hinged Cover and frame complete	No:	5	1	3	15
6	Constructing 4 ft dia manhole 3 ft deep	No	50		1	50
7	Earth work in excavation to the required depth of trenches for pipe laying and refilling, forming, watering ramming &c complete	Lump Sum				8
8	Laying bending, and fixing lead pipes 1½" = 12', ¾" = 28' & ½" = 12' = Total 52'	Rft.		4	52	13
9	Wiped Solder joints to lead pipes for ¾" overflow 4; ½" Closet 4×2=8, + urinals 2×2=4 Total 16	No	2	-	16	32
10	Fixing Slop Cock	No.		4	7	2
11	Fixing S W bend with Cement	No	1		5	5
12	Fixing Vent pipes including lead joints	Rft.	-	8	16	8
	Total Labour Charges					252

— Water Connection —

1	Laying & jointing, Cutting & Threading Galvd. pipe including Cost of pipes & fittings such as bends, elbows, tees, Collars, &c of 1" nominal bore	Rft		10 -	100	68
	Branch ½" bore	"		6	30	11
2		Lump Sum				115
3	Providing a flushing tank of 150 gallons					
	Total Water Connection					18
	Total					17c 8
	Contingencies at 5%					
	Grand Total £					178

19 General abstract

Name of work	Amount	
Dwellings	205-4 1934	
Sanitary fittings & water connection	1708	
Total	3842 3725	

Executive Engineer
Sanitary & Town Planning Dn.

Superintendent
Architect

Checked
22-11-28

Seul

12, L 1277-76 dated 16-8-29
PL 313-27-17 with enclosure

To

The Presidents of the City Ml.Cl,
Bangalore & Mysore.

Sir,

I am directed to forward herewith copies of letter No 1262 dated, the 26th July 1929 and an estimate received from the Chief Engineer of Mysore regarding a type designs for under-ground latrines with flushing system for the use of Ml Towns and to request that the matter may be placed before the Municipal Council for consideration of the system. The Executive Engineer, Sanitary and Town Planning Division, has been requested to send to you a copy of the type design.

I have etc.,

DRAFT)
Gl. Secry to Govt.

Memo No L 1277 Dated, 16th August 1929.

Copy to the Chief Engr. of Mysore with reference to his letter No 1262 dated 26-7-1929 with the request that the Executive Engr, Sanitary & Town Planning Division may be requested to send a copy of the type design to the Presidents of City Municipal Councils of Bangalore and Mysore

By Order,

Draft)
for Gl Secry to Govt.

A.M.R.1.
13/8

No. 3003
Enc

PUBLIC WORKS DEPARTMENT
CENTRAL OFFICE

Bangalore 28 August *1929.*

GEN & RFV SECTT
L 1011
29 AUG 1929
L S G D P I

FROM

BHOBE, Esq., A.M.I.C.E., Etc,
Chief Engineer of Mysore,
Bangalore

Mr 311-27
Sec 18

To

B Narayanaswamy Iyengar, Esq, B A, B L,
General Secretary to Government,
Bangalore.

Subject:- Type design for underground latrines with flushing system.

Sir,

With reference to your Memo No L 1279 dated the 16th August 1929, I have the honour to inform you that the Executive Engineer, Sanitary and Town Planning Division, has been instructed to send a copy of the above to the Presidents of the City Municipal Councils of Bangalore and Mysore as desired

I have the honour to be,
S i r,
Your most obedient servant,

J N Bhobe
27.8.29
Chief Engineer of Mysore.

No 9T 99
Enc

OFFICE OF THE PRESIDENT
CITY MUNICIPAL COUNCIL MYSORE

Dated 28th August 1929

GEN & REV SECT
L 10297
30 AUG 1929
L S G BRANCH.

M

Y Ramaswami, Esq , B A ,C E ,
[redacted]

President City Municipal Council

MYSORE

To

The General Secretary to the Government
of His Highness the Maharaja of Mysore,
Bangalore

Sir

I have the honour to request that a copy of the estimate referred to in your letter No L 1277-78 dated 16th August 1929 for an underground latrine with flushing system, may kindly be arranged to be sent as it is not received with your letter under reference

I have the honour to be,
Sir,
Your most obedient servant,

President

GR

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No. L 1741-2 Misc 2 Bangalore Dated 31 8 1929

From

The General Secretary to the Government of His Highness the Maharaja of Mysore

To

The Presidents of City Municipal Councils
of Bangalore & Mysore

Sir

In continuation of this office letter of 1277- dated the 16th August 1929 I am directed to forward herewith a copy of the estimate for an underground latrine with flush system

[illegible] etc

[illegible]

for Gl Secry to Gov

2/9/29